1080P Video Conferencing PTZ Camera

RC821U

HD CMOS	1080P FULL HD	72.5° Wide Angle	12x Optical Zoom	Mechanical PTZ	PoE ISDN

A Full HD video conferencing camera designed specifically for medium to large conference scenarios, featuring a brand-new generation of HD CMOS high-quality sensors that deliver 1920x1080 resolution image quality and output frame rates of up to 60fps, providing a more refined and smooth video conferencing experience.

zoom Certified

FEATURES

▼ **HD IMAGE QUALITY**
Equipped with HD CMOS image sensor, it can deliver high-quality images with a maximum resolution of 1920x1080. At 1080P, the output frame rate can reach up to 60fps, providing clear and smooth image quality.

▼ **12X OPTICAL ZOOM**
Featuring a 72.5° wide-angle lens and 12x optical zoom, it can capture clear images even from a distance. Equipped with a mechanical gimbal, it can achieve a ±170° horizontal rotation and a -30°~+90° vertical rotation, ensuring no blind spots in the conference room.

▼ **EASY WIRING**
Supporting PoE power supply, only one network cable is needed to connect for control, power supply, video, and audio, making wiring simple and convenient.

▼ **ULTRA-HIGH SIGNAL-TO-NOISE RATIO**
Equipped with an ultra-high signal-to-noise ratio CMOS image sensor, it effectively reduces image noise in low-light conditions. Additionally, with 2D and 3D noise reduction algorithms, it maintains a clean and clear image even in low-light environments, with an image signal-to-noise ratio of over 55dB.

▼ **COMPATIBLE WITH POPULAR CONFERENCE SOFTWARE**
The camera is compatible with popular video conferencing software,including Microsoft Teams, Zoom, Cisco, WebEx and more. Simply connect the camera and start the meeting.

▼ **FLEXIBLE INSTALLATION**
The camera supports various installation methods such as hanging, wall mounting, mounting, desktop installation, and tripod installation, providing flexibility to meet the needs of different conference settings.

SPECIFICATIONS

▼ CAMERA

Video Resolution	1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50
Sensor	1/2.8'', CMOS, 2.07 Megapixels
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital Zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	72.5° ~ 6.9°
Vertical Angle of View	44.8° ~ 3.9°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	2.7° ~ 35.7°/s
Tilt Speed Range	2.7° ~ 31.5°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°

▼ INPUT / OUTPUT INTERFACE

USB Interface	1x USB 3.0 , Type-C Jack
HDMI Output Interface	1x HDMI 1.3a
Network Interface	1x RJ45: 10M/100M Adaptive Ethernet
Audio Interface	1x Line In, 3.5mm Audio Interface
Communication Interface	1x RS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V) / USB C type (DC IN 5V) / PoE

▼ IPC FEATURES

Video Compression	H.264 / MJEPG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080,1280x720,1024x576,960x540, 640x480,640x360
Sub Stream Resolution	1280x720,1024x576,720x480,720x408, 640x360,480x272,320x240,320x180
Video Bit Rate	32Kbps ~ 102400Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc

▼ USB FEATURES

Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System /Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2: Max 1080P60; H.264 AVC: Max 1080P60; MJPEG: Max 1080P60
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

▼ GENERAL SPECIFICATION

Input Voltage	DC 12V / PoE (802.3af)
Input Current	12V 1.0A (Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max)
MTBF	>30000H
Dimension	142mm (W) × 152mm (D) × 176mm (H)
Weight	1.45kg

INTERFACE

1 —— RS232 Interface
2 —— NET Interface
3 —— HDMI Interface
4 —— USB3.0 Interface
5 —— LINE IN Interface
6 —— DC 12V Power Jack